|    |                  |                 |                  |          |                |          |           |           |              |    |          |          |            |                           |    | 7        | Δ.         | امد      | -             | +10    | n/C      | -            | trol      | No           |            | —        | Applicant(s)/Datest under               |          |          |         |    |             |          |    |   |   |
|----|------------------|-----------------|------------------|----------|----------------|----------|-----------|-----------|--------------|----|----------|----------|------------|---------------------------|----|----------|------------|----------|---------------|--------|----------|--------------|-----------|--------------|------------|----------|---|----------|----------|---------|----|-------------|----------|----|---|---|
|    |                  |                 | 10               | nd       | ęγ             | · ^      | f (       | :/:       | in           | ns |          |          |            |                           |    |          | ^          | 1        | .ud           | uU     | .,,,     | -011         | ., 01     |              |            |          | Applicant(s)/Patent under Reexamination |          |          |         |    |             |          |    |   |   |
| •  |                  |                 | יניי<br>תנוון    |          | -A             | 1111     | 11111     |           | <br>[[]]     |    | 160 181  | it       |            |                           |    |          |            | _        |               | •      | ^        |              |           |              |            | 1        |   |          |          |         |    |             |          |    |   |   |
|    |                  |                 |                  |          | Ш              |          |           |           |              |    |          | l        |            |                           |    | -        |            | )/7      |               |        | <u>U</u> |              |           |              |            |          | BURSON, STEVEN F.                       |          |          |         |    |             |          |    |   | _ |
|    |                  |                 |                  |          |                |          |           |           |              |    |          | I        |            |                           |    |          | <b>C</b> ) | un       | aminer        |        |          |              |           |              |            |          | Art Unit                                |          |          |         |    |             |          |    | • |   |
|    |                  |                 | Ш                |          |                | 1111     | ull       |           |              |    |          | II       |            |                           |    |          | D          | ev(      | vona E. Faulk |        |          |              |           |              |            |          | 2644                                    |          |          |         |    |             |          |    |   |   |
|    |                  |                 |                  |          |                |          |           |           |              |    | •        |          |            |                           |    |          |            |          |               | _      |          | _            |           |              |            |          |   |          |          |         |    |             |          |    |   |   |
|    |                  | 1               |                  |          |                |          |           |           | - 1          | П  | ľ        | Thr      | อน         | ah n                      | um | era      | afi        | ٦        | ſ             | ٦      |          |              |           |              |            | П        |   |          |          |         |    | 7           |          |    |   |   |
|    | √ Rejected - (11 |                 |                  |          |                |          |           |           |              |    |          |          |            | hrough numeral) Cancelled |    |          |            |          | ´    N        |        |          | חכ⊢חכ        | Elec      | ted          | A          | Appeal   |   |          |          |         |    | •           |          |    |   |   |
|    |                  |                 |                  |          |                |          |           |           |              |    |          |          |            |                           | _  | _        |            | ┪        | t             | ┪      |          | _            | erference |              |            | Н        | Objected                                |          |          |         | 1  |             |          |    |   |   |
|    | = Allowed        |                 |                  |          |                |          |           |           | +            |    |          |          | Restricted |                           |    |          |            | -        | ł             | 1      | In       | teri         | lere:     | nce          |            | 이        |   | Ob       | jec      | ted     |    |             |          |    |   | - |
|    |                  |                 |                  |          |                |          |           |           |              |    | _        |          |            |                           |    |          |            | _        | L             | _      |          |              |           |              | ı          | ш        |   |          |          |         |    |             |          |    |   |   |
| [  | Claim Da         |                 |                  |          |                |          |           |           |              |    |          | Claim    |            |                           |    |          | Dat        |          |               | e      |          |              |           | Claim        |            |          |   | Date     |          |         |    |             |          | •  |   |   |
|    | انيا             | ē               | 11               | 2        | И              | Wj       | 7         |           |              |    |          | ١.       | .          | ā                         |    |          |            |          |               | 1      | - 1      | 1            |           | <b> </b>     | 耍          | П        |   | - 1      | 1        |         |    | 1           |          |    | • |   |
|    | Finat            | Original        | 3                | h        | 5,             | 65       | 6         |           |              |    |          | ا ا      | Ē          | Original                  |    |          |            | ļ        | ١             |        |          |              |           | Final        | Orlginal   | 11       |   | - 1      |          |         |    |             |          |    |   |   |
| 1  | _                | Õ               | M                | 19       | X <sub>1</sub> | Z,       | 07        |           |              |    | 1        | "        | ٦          | ō                         |    |          |            |          |               |        |          | H            | -         | -            | ő          | 11       |   | - 1      | - 1      |         |    |             | H        |    |   |   |
|    | $\Box$           | 1               | K                |          | Z              | ~        | V         |           |              |    |          |          |            | 51                        |    |          |            |          |               |        | $\Box$   |              |           |              | 101        |          |   | $\Box$   |          | I       | I  |             |          |    | · |   |
|    |                  | 2               | 4                | 4        | Ц              |          | Ц         |           | Ш            | Ш  | _        | <u> </u> |            | 52                        |    | $\dashv$ | _          | 4        | 4             | 4      | 4        | 4            | 4         | <u> </u>     | 102        | $\sqcup$ | -1                                      | 4        | 4        | +       | 4- | $\bot$      | Н        |    |   |   |
| }  | $\dashv$         | 3               | Ų                | H        | -              | Н        | Н         | Н         | Н            |    | $\dashv$ | -        | $\dashv$   | 53<br>54                  | -  | $\dashv$ | -          | -        | $\dashv$      | +      | $\dashv$ | +            | ┨         |              | 103        | ╁┥       | ┪                                       | +        | +        | +       | ╁  | +-          | Н        |    |   |   |
| t  | $\dashv$         | 5               | 7                | И        | Н              | Н        | H         | $\exists$ | Н            | Н  | $\dashv$ | $\vdash$ | ٦          | 55                        |    | $\dashv$ | ᅥ          | 7        | $\dashv$      | 7      | $\dashv$ | $\dashv$     | ┥         | ·            | 105        | H        | ┪                                       | 寸        | +        | 十       | +  | +           | Н        |    |   | • |
| į  |                  | 6               | $\boldsymbol{P}$ | $\sigma$ |                |          |           |           |              |    |          |          |            | 56                        |    |          |            |          |               |        | $\Box$   |              |           |              | 106        |          |   |          | $\Box$   | $\Box$  | I  | $\perp$     |          |    |   |   |
| į. |                  | 7               | `                | 4        | $\perp$        | $\Box$   | 1         |           |              | Ц  |          |          |            | 57                        | -  | _        |            | _        | 4             | 4      | -        | -            | 4         |              | 107        | $\sqcup$ | -                                       | 4        | 4        | 4       | 4  |             | $\vdash$ |    |   |   |
| }  |                  | 8               | 1                | H        | Н              | Н        | Н         | -         | Н            | Н  | $\dashv$ | -        |            | 58<br>59                  | -  | -        |            | -        |               | ┉┤     | ┪        | ┿            | -         | <del> </del> | 108<br>109 | Н        | -                                       | +        | +        | ╅       | +  | ╁           | Н        |    |   |   |
| ł  |                  | 10              | 7                | Ħ        | Н              | Н        | +         | Н         | Н            | Н  | $\dashv$ | -        | ᅱ          | 60                        |    | $\dashv$ | -          | ┪        | ┪             | ┪      | +        | +            | ┪         | <u> </u>     | 110        | $\vdash$ |   | 十        | +        | +       | 十  | +           | Н        |    | • |   |
| Ì  |                  | 11              | 7                | Z        |                |          |           |           |              |    |          |          |            | 61                        |    |          |            |          | $\sqsupset$   | $\Box$ | コ        | ightharpoons |           |              | 111        |          |   |          |          | 工       |    |             |          | 1  |   |   |
| ļ  |                  | 12              | 7                | 4        | Ц              | Ш        | $\coprod$ |           |              |    |          | ļ        | 4          | <b>62</b>                 |    |          | _          | _        | 4             | 4      | 4        | -            | 4         | <u> </u>     | 112        |          |   | -        | -        | 4       | 4  | +           | Н        | l  |   |   |
| ŀ  |                  | 13              | -                | H        | Н              | H        | H         | H         |              | -  | -        | -        | ┥          | 63<br>64                  | Н  | $\dashv$ |            | $\dashv$ | $\dashv$      | -      | ┥        | ┰            | $\dashv$  |              | 113        |          | $\dashv$                                | -        | -+       | +       | ┿  | +-          | $\vdash$ | 1  |   |   |
| •  |                  | 15              | C.K              | H        | Н              | H        | H         | Н         | Н            | -  | Н        | -        | ᅦ          | 65                        | Н  |          | -          | 7        | 7             | -      | -        | ┰            | ٦         | _            | 115        |          | $\dashv$                                | $\dashv$ | $\top$   | +       | 十  | +           |          | 1  |   |   |
| Ţ  |                  | 16              | 7                | Ø        |                |          |           |           | Ш            |    |          |          |            | 66                        |    |          |            |          | $\Box$        |        |          |              |           |              | 116        |          |   | $\Box$   | $\Box$   |         | I  |             |          | 1  |   |   |
| Į. |                  | 17              | 7                | 4        |                | 4        | Ш         |           |              |    |          |          |            | 67                        | Ш  |          | $\dashv$   | 4        | 4             | 4      | 4        | 4            | 4         | <u> </u>     | 117        | $\sqcup$ |   | 4        | $\dashv$ | 4       | 4  | 4-          |          |    |   |   |
| }  |                  | 18              | Þ                | H        | Н              | H        | Н         | Ī         | $\vdash$     | Н  | Н        | ┢        | $\dashv$   | 68<br>69                  | Н  |          | $\dashv$   | +        | +             | ┥      | -        | -+           | ┥         | ⊢            | 118        | Н        | $\vdash$                                | $\dashv$ | $\dashv$ | +       | +  | +           | ╫        | ł  |   |   |
| ŀ  | _                | 20              |                  | 7        | H              |          | ht        | )         | Н            | т  |          | ┢        | 7          | 70                        | Н  | Н        | $\neg$     | ┪        | ┪             | ┪      | 7        | 十            | _         | _            | 120        | H        |   | 寸        | 7        | +       | 十  | _           |          |    |   |   |
| į  |                  | 21              |                  |          |                |          |           |           |              |    |          |          |            | .71                       |    |          |            |          |               | $\Box$ | $\Box$   | $\Box$       |           |              | 121        |          |   |          | $\Box$   | $\Box$  | I  | $\top$      |          | 1  |   |   |
|    |                  | 22              |                  | _        |                | L        | L         | _         | Ш            | Ш  | Н        | $\vdash$ | -          | 72                        | Н  | Ц        | _          | -        | -             | 4      |          | 4            | 4         | ├            | 122        | ╀┦       | $\vdash$                                | $\dashv$ | -        | +       | +  | +           | -        | ł  |   |   |
| ŀ  |                  | 23<br>24        | _                | ⊢        | Н              | -        | -         | $\vdash$  | H            | -  |          | $\vdash$ | ᅱ          | 73<br>74                  | Н  |          |            | -        | -             | ┥      | ┰┼       | $\pm$        | -         | -            | 123<br>124 |          |   | $\dashv$ | +        | ┰       | ┿  | +           | +        | 1  |   |   |
| Ì  |                  | 25              |                  | H        | Н              | $\vdash$ | Н         | Н         | H            | Н  | Н        | -        | ┪          | 75                        | Н  | Н        |            | 7        | ┪             | ┪      | 7        | +            | ┥.        | <u> </u>     | 125        |          |   | 寸        | +        | 寸       | 十  | $\top$      | +        | 1  |   |   |
| Ţ  |                  | 26              |                  |          |                |          |           |           |              |    |          |          |            | 76                        |    |          |            |          | $\Box$        | $\Box$ | $\Box$   | $\Box$       |           |              | 126        |          |   | $\Box$   | $\Box$   | I       | I  | I           |          | 1  |   |   |
|    |                  | 27              |                  | _        | _              | ┞        | H         | $\vdash$  | ш            | Щ  | Н        | L        | _          | 77                        |    | -        |            |          |               | 4      |          | 4            |           | <u> </u>     | 127        | $\vdash$ |   |          | -        | +       | +  | ┿           | ÷        | ł  |   |   |
| }  |                  | 28<br>29        | -                | $\vdash$ | $\vdash$       | $\vdash$ | Н         | $\vdash$  | H            | Н  | Н        | -        | -          | 78<br>79                  |    |          | -          | $\dashv$ |               |        | ┪        | ┽            | ᅱ         | -            | 128<br>129 |          | $\vdash$                                | +        | +        | ╅       | +  | +           | ╀╌       | ١. |   |   |
| į  |                  | 30              |                  | Н        | Н              | -        | ┪         | -         | Н            | H  | Н        | $\vdash$ |            | 80                        |    |          |            | 7        | 7             | 7      | ┪        | 7            | 7         |              | 130        |          | $\Box$                                  |          | 7        | Ť       | 1  |             |          | ·  |   |   |
| Ţ  |                  | 31              |                  |          | П              |          |           |           |              |    |          |          |            | 81                        |    |          |            | $\Box$   | $\Box$        | $\Box$ | $\Box$   | $\Box$       |           |              | 131        |          |   | $\neg$   | $\Box$   | $\perp$ | Ţ  | 1           | $\Box$   | ·  |   |   |
| }  |                  | 32              | _                | L        | -              | L        | ┡         | H         | Н            | Н  |          | -        | -          | 82                        | Н  | Н        | $\dashv$   | $\dashv$ | 4             | 4      | -+       | +            | -         |              | 132        | _        |   | -        | -        | -       | +  | +           | ₩        | 1  |   |   |
| ŀ  |                  | <u>33</u><br>34 | -                | -        | ,              |          |           |           |              |    | $\vdash$ | -        |            | 83                        | H  | Н        | $\dashv$   | $\dashv$ | ┪             | ┪      | +        | ┰            | -         |              | 133        |          | H                                       | -+       | ┯        | +       | ┰  | ┿           | ╀┈       | 1  |   |   |
| ì  |                  | 35              |                  | ┢        | Н              | _        |           |           | Н            |    | $\Box$   | ┢        |            | 85                        | Н  | Н        | _          | $\neg$   | 7             | _      | 一        | 十            | ┪         | -            | 135        |          | Н                                       | 7        | -        | 十       | 十  | $\top$      | +        | 1  |   |   |
| Ţ  |                  | 38              |                  |          |                |          |           |           |              |    |          |          |            | 86                        |    |          |            |          |               |        | $\Box$   |              | _         |              | 136        |          |   | $\Box$   | $\Box$   |         | I  | $\bot$      |          |    |   |   |
| ,  |                  | 37              |                  | _        | Щ              | Ц        |           | _         | Ш            | Н  | Н        | <u> </u> | _          | 87                        | Н  |          |            | 4        | 4             | 4      | -        | 4            |           | -            | 137        |          |   |          | -+       | 4       | 4  | 4           | ╁        | l  |   |   |
| 1  |                  | 8               | H                | ⊢        | Н              | Н        | ┝         | -         | H            | Н  | Н        | $\vdash$ | $\dashv$   | 88<br>89                  | Н  | -        | $\vdash$   | $\dashv$ | $\dashv$      | -      | ┵        | +            | $\dashv$  | -            | 138<br>139 |          | H                                       | -        | +        | +       | +  | ┿           | ╁        | {  |   |   |
| Ì  |                  | 40              | Н                | $\vdash$ | Н              | -        | -         | _         |              |    | -        | ┣        | $\neg$     | 90                        |    |          | -          | 7        | 7             | 7      | 7        | 十            | ┥.        |              | 140        |          | $\vdash$                                | +        | +        | +       | +  | +           | +        | i  |   |   |
| į  |                  | 41              |                  |          |                |          |           |           |              |    |          |          |            | 91                        |    |          |            |          |               |        |          |              |           |              | 141        |          |   | $\Box$   | コ        | ユ       | I  | I           |          | ]  |   |   |
| ļ  |                  | 42              | H                | -        | $\vdash$       | <u> </u> | -         | Щ         | $\vdash$     | Щ  | $\sqcup$ | <u> </u> | _          | 92                        | Ш  |          |            | 4        | _             | _      | $\dashv$ | 4            | 4         | <u></u>      | 142        |          | Ц                                       | $\neg$   | 4        |         | 1  | 1           | 4_       | ļ  |   |   |
| }  | 1                | 43              | H                | $\vdash$ | Н              | Н        | -         | Н         | $\vdash$     | Н  | H        | $\vdash$ |            | 93<br>94                  | Н  | Н        | Н          | $\dashv$ | -             | -      | -+       | +            | $\dashv$  | <b>—</b>     | 143<br>144 | ╀┤       | $\vdash$                                | -        | +        | +       | +  | +-          | ╫        | {  |   |   |
| ł  |                  | 45              |                  |          |                |          |           |           | ٢            | Н  |          |          |            | 95                        | H  |          | $\Box$     |          | _             |        |          | T            | 7         |              | 145        |          | Н                                       | -+       | 7        | +       | +  | +           | 十        | 1  |   |   |
| [  |                  | 46              |                  |          |                |          |           |           | $\Box$       |    |          |          |            | 96                        |    |          |            |          | $\Box$        |        | $\Box$   | I            |           |              | 146        |          |   |          | 1        |         | I  | I           |          | ]  |   |   |
|    |                  | 47<br>48        | -                | -        |                | -        | -         | L         | <del> </del> | Н  | H        | $\vdash$ | _          | 97<br>98                  | Н  | Н        | Н          | Ц        | 4             | 4      |          | 4            | _         | <b></b>      | 147        |          | Н                                       | $\dashv$ | 4        | 4       | 4  | 4           | <u> </u> | ł  |   |   |
| }  | $\dashv$         | 49              | $\vdash$         | -        | $\vdash$       | $\vdash$ | -         | ⊢         | $\vdash$     | Н  | H        | $\vdash$ | -          | 99                        | Н  | Н        | Н          | Н        | ᅱ             | ᅱ      | $\dashv$ | +            | $\dashv$  | -            | 148<br>149 |          | Н                                       |          | +        | ┽       | +  | +           | ╁╌       | 1  |   |   |
| 1  |                  | 50              | _                | _        |                |          | _         | _         | _            |    | -        | -        | $\neg$     | 100                       | Н  |          |            | -        | -             | -      | -        | -            | ┥         | <del></del>  | 150        |          | ш                                       | -        | -+       | -+-     | +  | <del></del> | +-       | 1  |   |   |